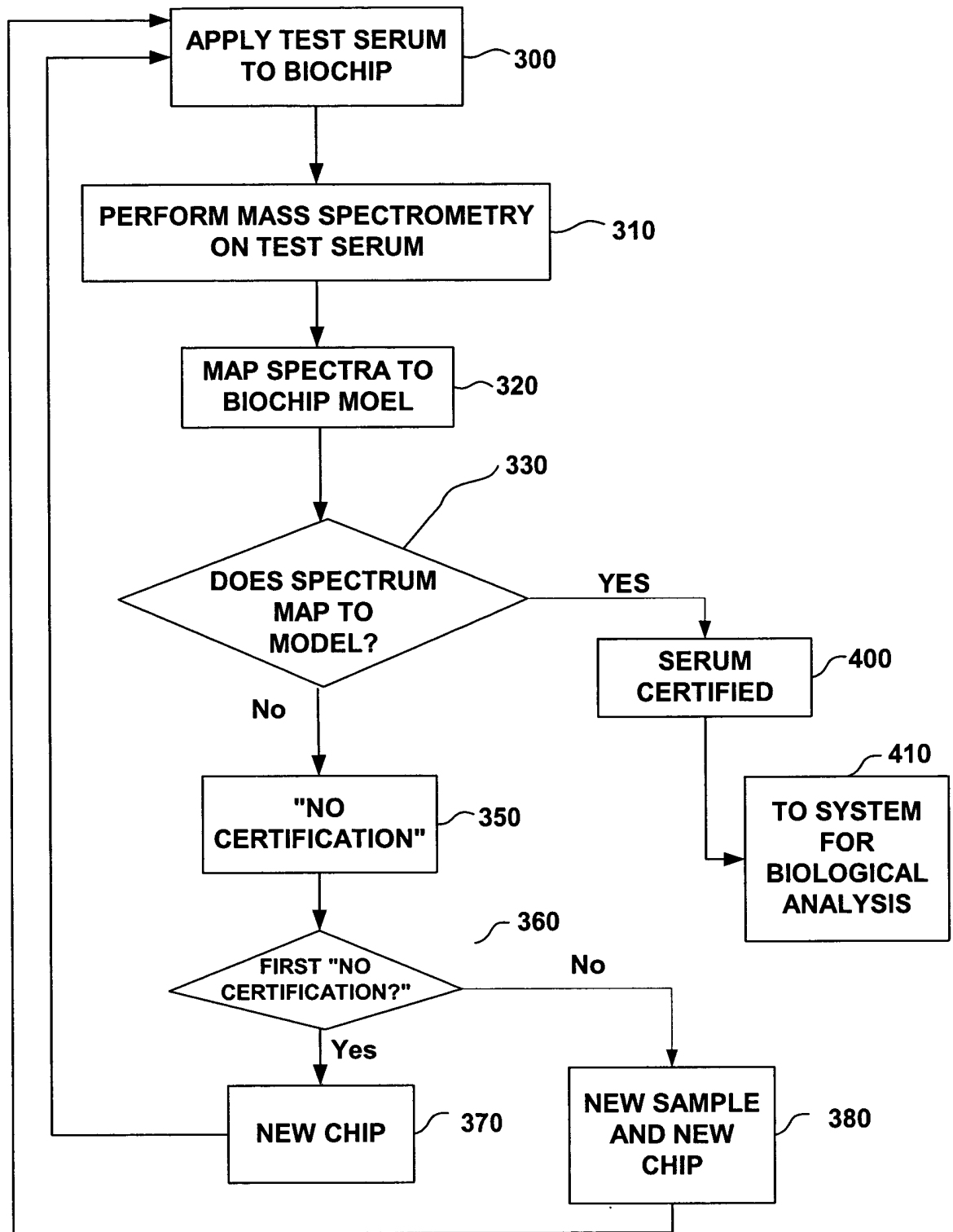


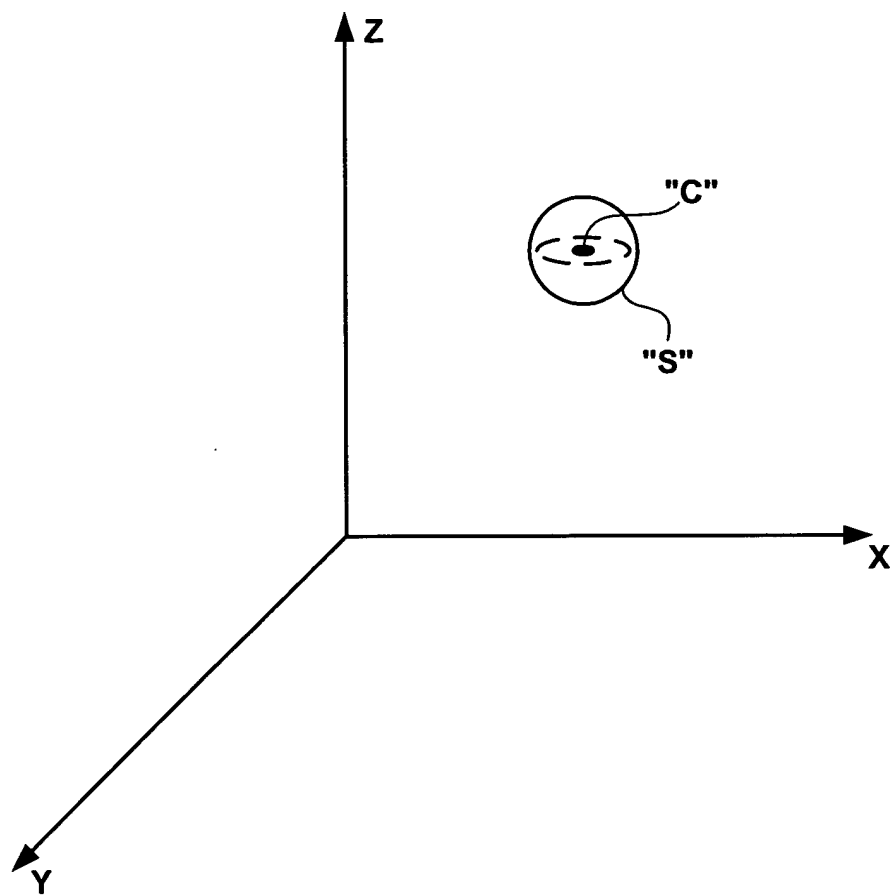
**FIG. 1**

		CHIP				
SERUM SAMPLE		1	2	3	...	j
	1	$MS_{1,1}$	$MS_{2,1}$	$MS_{3,1}$	...	$MS_{j,1}$
	2	$MS_{1,2}$	$MS_{2,2}$	$MS_{3,2}$	...	$MS_{j,2}$
	3	$MS_{1,3}$	$MS_{2,3}$	$MS_{3,3}$	...	$MS_{j,3}$
	⋮	⋮	⋮	⋮		⋮
	j	$MS_{1,i}$	$MS_{2,i}$	$MS_{3,i}$	...	$MS_{j,i}$

**FIG. 2**



**FIG. 3**



**FIG. 4**

					m/z values									
Node	Count	State	StateSum	Error	743.574	3872.046	2506.954	3012.083	2404.824	1146.171	1943.946	1531.685	5918.59	727.3972
0	26	1	26	0	0.0346	0.9975	0.3242	0.2673	0.3105	0.0184	0.1387	0.2726	0.5013	0.1472
1	89	0	2	2	0.0179	0.0829	0.0496	0.0369	0.0512	0.0097	0.0669	0.1422	1	0.0228
2	108	1	104	4	0.0242	1	0.0922	0.0684	0.0773	0.1016	0.0520	0.1295	0.1814	0.1078
3	23	0	0	0	0.0119	0.2537	0.0383	0.0352	0.0380	0.0149	0.3952	0.9198	0.8448	0.0457
4	6	0	0	0	0.0056	0.1851	0.0078	0.0123	0.0090	0.0269	0.9939	0.4465	0.5844	0.0117
5	1	1	1	0	0.0353	0.6777	0.1028	0.2074	0.0640	0	0.0936	0.4122	0.2605	1
6	2	1	2	0	0.3013	0.8013	0.5506	0.6894	0.8239	0.0709	0.2725	0.9569	0.8025	0.6541
7	1	0	0	0	0.1529	0	0	0	0	0.1529	0	0	0	1

**Testing**

Sensitivity

100%

Specificity

99%

**Validation**

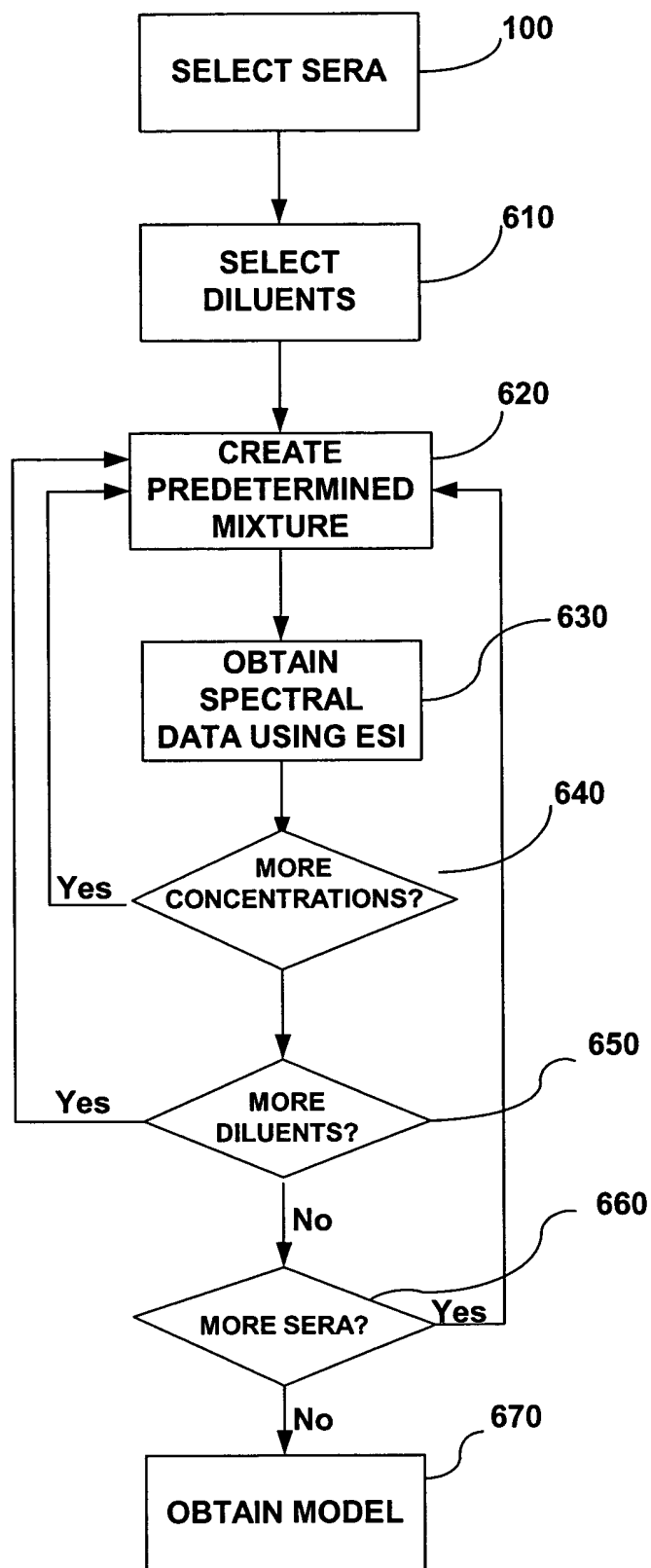
Sensitivity

99%

Specificity

98%

FIG. 5



**FIG. 6**